

20030823.qrp v03_n021.qrl.20030823

Date: Sat, 23 Aug 2003 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3021

QRP-L Digest 3021

Topics covered in this issue include:

- 1) [156728] Re: Another CEPT country to drop the code requirement
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 2) [156729] Re: What is it about hams?
by Richard Clem <clem.law@usa.net>
- 3) [156730] Re: Another CEPT country to drop the code requirement
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 4) [156731] Re: What is it about hams?
by Rick McKee <kc8aon@juno.com>
- 5) [156732] Re: What is it about hams?
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 6) [156733] Re: BUBBA '03
by Wayne_W5KDJ <w5kdj@juno.com>
- 7) [156734] Big Momma Loops (BML-not BPL)
by "sslyon" <sslyon@megalink.net>
- 8) [156735] Re: What is it about hams?
by K7VO <k7vo@earthlink.net>
- 9) [156736] RE: RFI help needed
by "Norman Schklar" <norman@schklar.com>
- 10) [156737] Re: What is it about hams?
by KD5NWA <KD5NWA@cbayona.com>
- 11) [156738] Right on, Caity -- plus interesting statistic
by "Robert K. Henderson" <rk@sympatico.ca>
- 12) [156739] Torrids
by Peter Burbank <peterlee@qx.net>
- 13) [156740] RFI help needed
by Ken Brown <hfbeacons@juno.com>
- 14) [156741] Re: Another CEPT country to drop the code requirement
by Alex <kr1st@amsat.org>
- 15) [156742] antenna
by hamjoel@juno.com
- 16) [156743] For Sale LDG Tuner
by Nm5m@aol.com
- 17) [156744] Re: OT: Amateurs we are...
by "Tom Bowman" <wa3rey@comcast.net>
- 18) [156745] Re: What is it about hams?
by John Sielke <jsielke@pobox.com>
- 19) [156746] RE: OT: Amateurs we are...

- by "Paul Womble" <pwomble@verizon.net>
- 20) [156747] RE: What is it about hams?
by "Paul Womble" <pwomble@verizon.net>
- 21) [156748] Re: Another CEPT country to drop the code requirement
by Paul <mooney@cytanet.com.cy>
- 22) [156749] Re: RFI help needed
by w9ya <w9ya@arrl.net>
- 23) [156750] Anyone else missing their Homebrewer mag?
by "Dave Ek" <ekdave@earthlink.net>
- 24) [156751] Re: What is it about hams?
by w9ya <w9ya@arrl.net>
- 25) [156752] Re: Big Momma Loops (BML-not BPL)
by Steve Yates <aa5tb@arrl.net>
- 26) [156753] re:Fiberglass poles..try the rakes and shovels
by Michael Babineau <michael.babineau@sympatico.ca>
- 27) [156754] Re: Anyone else missing their Homebrewer mag?
by Dan Harriman <kc5gxl@ih2000.net>
- 28) [156755] Re: Another CEPT country to drop the code requirement
by Michael Babineau <michael.babineau@sympatico.ca>
- 29) [156756] Re: Anyone else missing their Homebrewer mag?
by Bruce Rattray <rattray@gpfn.sk.ca>
- 30) [156757] RE: Big Momma Loops (BML-not BPL)
by "Lyle Johnson" <wa7gxd@fidalgo.net>
- 31) [156758] Re: Anyone else missing their Homebrewer mag?
by "Dave Ek" <ekdave@earthlink.net>
- 32) [156759] Re: Anyone else missing their Homebrewer mag?
by M Taylor <mctylr@privacy.nb.ca>
- 33) [156760] Re: Anyone else missing their Homebrewer mag?
by "Dave Ek" <ekdave@earthlink.net>
- 34) [156761] Re: Anyone else missing their Homebrewer mag?
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 35) [156762] UV protection for fiberglass poles/coatings
by ve3ab@mail.mondenet.com
- 36) [156763] RE: Big Momma Loops (BML-not BPL)
by "Walter AG5P" <walter@accessus.net>
- 37) [156764] BUBBA
by Bob Patten <n4bp@bellsouth.net>
- 38) [156765] RE: OT: Amateurs we are...
by "Tom Bowman" <wa3rey@comcast.net>
- 39) [156766] Re: [Elecraft] BUBBA
by "John Sielke" <jsielke@pobox.com>
- 40) [156767] DSP manual or schematic????
by "Bart" <blawson@classicnet.net>
- 41) [156768] Re: Schematic Drawing Program
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 42) [156769] Re: Another CEPT country to drop the code requirement
by Alex <kr1st@amsat.org>
- 43) [156770] RE: Big Momma Loops (BML-not BPL)

- by Ed Tanton <n4xy@earthlink.net>
- 44) [156771] Re: Anyone else missing their Homebrewer mag?
by ik7565@erols.com
- 45) [156772] re:Fiberglass poles..try the rakes and shovels
by Ingo Meyer DK3RED <dk3red@t-online.de>
- 46) [156773] RE: What is it about hams
by "John Sielke" <jsielke@pobox.com>
- 47) [156774] Re: Pittsburg style with a dremel router
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 48) [156775] Missing magazines, subscriptions, orders
by <n2go@arrl.net>
- 49) [156776] Re: What is it about hams
by "Mike Yetsko" <myetsko@insydesw.com>
- 50) [156777] Re: Pittsburg style with a dremel router
by "Mike Yetsko" <myetsko@insydesw.com>
- 51) [156778] BML (Big Momma Loops) an objective evaluation...
by "sslyon" <sslyon@megalink.net>
- 52) [156779] Bubba Bust
by "John Sielke" <jsielke@pobox.com>
- 53) [156780] Re: BUBBA
by "Conard Murray" <ws4s@charter.net>
- 54) [156781] Re: BUBBA
by Fghester@aol.com
- 55) [156782] New MFJ Tuner
by Karl Larsen <k5di@zianet.com>

Date: Fri, 22 Aug 2003 19:14:35 -0400
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: <k7vo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156728] Re: Another CEPT country to drop the code requirement
Message-ID: <004401c36903\$27d53b50\$1755590c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Caity,

I agree with you 100%. In fact I have something about it in my website.

http://www.qsl.net/w2lj/index_page_6.html

I get "on my soapbox" for a few seconds and discuss the future of Ham radio.

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net

<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPP-I #759
ARS #1528 --- K1 #1647

----- Original Message -----

From: "K7V0" <k7vo@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, August 22, 2003 1:07 PM

Subject: Re: Another CEPT country to drop the code requirement

> On Fri, 22 Aug 2003 12:11:27 -0400

> Alex <kr1st@amsat.org> wrote:

>

> > As of September 1st, The Netherlands will drop the code requirement,
> > giving holders of CEPT Class 2 licenses the same privileges as those
> > of CEPT Class 1 licensees.

> >

> > The following CEPT countries already dropped the code requirements:

> >

> > Switzerland - July 15th

> > U.K. - July 26th

> > Belgium - August 4th

> > Germany - August 15th

> > Norway - August 16th

> > Netherlands - September 1st

>

> Austria has also decided to drop the code. New Zealand (not a CEPT
> country) has as well.

>

> I agree with Alex that no code in the U.S. is coming and coming soon.

> There are two approaches you can take to this:

>

> 1) grouse about it, complain about the no code newcomers, discourage
> people, put them down, and ultimately drive them out of the hobby -OR-

>

> 2) elmer the no-coders, share your love of CW, and show them why they
> might want to learn it.

>

> Since the code requirement was dropped to 5WPM there has been way too
> much of #1 going around, and IMHO it stinks. I DO NOT want this hobby
> to die out as the current generation of hams ages and dies.

>

> If you want newcomers to be good hams show them the way. If you don't

> want the hobby "dumbed down" (whatever that means) then find ways and
> write proposals to make the written tests more relevant and
meaningful.
> I have no problem with making people learn something to get a General
or
> Extra -- indeed, it's important.
>
> I will not engage in another code vs. no code debate. It's pointless.
> No code is coming. The question is: how can we turn it into
something
> positive?
>
> 72/73,
> Caity
> K7VO
>
> --
> Caitlyn M. Martin -- K7VO
> <http://www.mizuhoradio.com/personal/k7vo>
>
> Unofficial Mizuho website:
> <http://www.mizuhoradio.com>
>
> Tokyo Hy-Power reflector website:
> <http://groups.yahoo.com/group/tokyohypower>
>
>

Date: Fri, 22 Aug 2003 18:35:48 -0500
From: Richard Clem <clem.law@usa.net>
To: <w8kc@comcast.net>
Cc: <qrp-1@lehigh.edu>
Subject: [156729] Re: What is it about hams?
Message-ID: <020HHVXjW7312S08.1061595348@uwdvg008.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

W8KC wrote:

distance, explaining that my signals will probably interfere
with
> BPL, and that under Part 15, the BPL user would need to tolerate that
> interference.

=2E. pin this to the hamshack wall in case you ever need a reminder of wh=at's wrong with hams or why the general public has a low opinion of this hobby=

Well, I probably would take the time to word it a bit more diplomatically= than I did here :-)

But as someone else pointed out, I'm certainly willing to work with other= s if I'm causing interference to them, even if it's not my fault. But in the = case of BPL, it seems to me that the interference is unavoidable, except eithe= r by my going QRT, or the neighbors' not subscribing to BPL.

It doesn't seem very prudent, given the fact that I know that interferenc= e is going to result, to simply let the neighbors make a foolish decision by subscribing to BPL, and then try to deal with the consequences later on, because it appears that it will not be possible to deal with those consequences.

It seems to me that the neighborly thing to do is to warn them in advance= that there is a very high likelihood of a problem that cannot be solved. That= way, they don't waste their time and money by signing up for something that wo= n't work. And chances are, they will continue paying for it even after it do= esn't work, because I'm sure the utility will be slow to either fix the problem=

(which probably isn't possible) or to admit that the system is flawed and= that the consumer should get a refund of the money they wasted. Frankly, I do= ubt that either of these things is going to happen. What probalby will happe= n is that they will pay for the service for a few months, realize that it does= n't work very well (probably not even realizing that I was involved in the problem), and simply cancelling their service.

Where I live, there are dozens of dial-up internet providers, at least one DSL provider, and at least one cable company that provides internet access, any one of which will work just fine even if I decide to trade in the FT-817 for a KW linear.

I don't see anything wrong in warning the neighbors that they should stick with these proven technologies, instead of going with something that won't work. In fact, what would be wrong is simply doing nothing, hoping that they don't cause too much interference for me, and hoping that they don't figure out that I am causing (perfectly legal) interference to them.

A positive side effect of my warning them of the potential problem is that none of them will sign up, the utility won't add any infrastructure in my immediate vicinity, and I don't have to worry about the (unlawful) interference they will cause me.

It sounds like a win-win situation for all involved. Except of course for the marketing people who don't make any sales in this neighborhood. I hope they sue me for telling the truth.

Date: Fri, 22 Aug 2003 19:41:10 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Lawrence Makoski <Makos327@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156730] Re: Another CEPT country to drop the code requirement
Message-ID: <20030822193905.R38611-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 Aug 2003, Lawrence Makoski wrote:

> Caity,
>

> I agree with you 100%. In fact I have something about it in my website.
>
> http://www.qsl.net/w2lj/index_page_6.html

Which has this great line"

" Instead of throwing up your hands and calling for the end of the Amateur Radio world get involved!"

But, I think if we don't spend lots of time, energy and funds to insure that BPL doesn't take over the HF bands, we'll all be singing tunes much sorrier than lack of new hams....

73

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Fri, 22 Aug 2003 19:57:56 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [156731] Re: What is it about hams?
Message-ID: <20030822.195803.8510.0.kc8aon@juno.com>

If BPL is going to cause interference to my radio, what do I care if my radio causes interference back to BPL ? Turn about is fair play !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters
RX
QRP-L #2112, FPqrp #33, AR QRP AmQRP
I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Fri, 22 Aug 2003 19:23:20 -0700

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156732] Re: What is it about hams?
Message-ID: <013201c3691d\$8501c680\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It seems to me that if radio transmissions interfere with BPL, the subscriber probably isn't going to know it. He will just think, "This #@!!& internet is sure slow today!". That happens to many of us right now, and we have no idea what the cause is. DNS attack? Bug or virus in my PC? Poor signal on the cable? Satan? The CIA? UFOs? Who knows?

The point is that it's a lot different than with TV, radio, or stereos, where a certain sound or pattern of interference may make the user think it's the ham down the street (even if he's wrong). Also, with those devices, the user has an expectation of high quality service. With the internet, it'll just be another slow connection and who knows why.

72--Nick, WA5BDU

Date: Sat, 23 Aug 2003 00:58:03 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: nk7m@extremezone.com
Cc: qrp-1@Lehigh.EDU
Subject: [156733] Re: BUBBA '03
Message-ID: <20030822.175858.2345.35482@webmail04.lax.untld.com>
Mime-Version: 1.0
Content-Type: text/plain

I will be there with my 1 watt looking fer them lite ones.

Wayne_W5KDJ
Ex: SV0WWW_TF2WJN *e-QSL*
ARS_1392 ARCI_11325 FP_626
FISTS_10060 SOC_538 ARRL

--- "Bob Hightower" <nk7m@extremezone.com> wrote:

Tomorrow is the day! BUBBA 2003 is here, and the weather here in AZ is cooperating. Go to <http://www.extremezone.com/~nk7m/bubba03.htm> for the rules and temp charts.

Bob NK7M

Date: Fri, 22 Aug 2003 21:39:54 -0400
From: "sslyon" <sslyon@megalink.net>
To: <WE7X@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156734] Big Momma Loops (BML-not BPL)
Message-ID: <006001c36917\$74908b20\$53c6e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Make it as big and as symmetrical as possible. Period. Doubling the wire will tend to be more omni-directional and have more gain as well. Feed it with parallel line of good quality and use a tuner such as a Matchbox or Z-Match. You guys are going to have a great time with that loop!

73

seab
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: <WE7X@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 22, 2003 5:20 PM
Subject: Antenna theory question

> Greetings again,
> The same station (of AC7SB) has a ~540 foot loop at about 45 to 50 feet of
> elevation. His home is on the West side of a broad hill and very near the

> hilltop (about 50 feet from the top) at an elevation of about 900 feet).
> To the West and somewhat to the South, the hill slopes away very fast,
> with an open view of some 20 miles to some slightly higher hills in the
distance.
> To the North is fairly flat and treed and to the East is the slightly higher
> part of his hill which is heavily tree covered, and with the Cascade
> Mountains at a 30 to 40 mile distance.
> The question is: How much would you expect him to gain by increasing the
> loop circumference to ~ 1000 feet (poor guy has no trouble finding the space)
> with about 10 acres of relatively flat open land surrounded by tall trees) ,
> and raising the average height another thirty or so feet - slightly more
> difficult, but possible with a lot more rope.
> This came up in a discussion of his general layout. He has been licensed
> less than a year, and thinks it will be to his advantage to do both. I agreed
> with him, but indicated that, in my opinion, it would not likely be a large
> enough difference to make it worth the trouble.
> It might also be our club Field Day site for the following year
> All reasonable comments and suggestions will be forwarded to him.
> Rod Johnson WE7X
> Issaquah ARC (W7BI)
>

Date: Fri, 22 Aug 2003 21:47:35 -0400
From: K7VO <k7vo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [156735] Re: What is it about hams?
Message-ID: <20030822214735.524ae55e.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Fri, 22 Aug 2003 19:57:56 -0400
Rick McKee <kc8aon@juno.com> wrote:

> If BPL is going to cause interference to my radio, what do I care if
> my radio causes interference back to BPL ? Turn about is fair play !

The FCC has imposed quite hours for interference to Part 15 devices
before. Do not be surprised if the FCC shuts down hams who interfere
with lots of their neighbors' internet connections.

The only way to defeat BPL is to see that it never happens. If it is
ever rolled out in any scale, well... I hope you enjoy 144MHz and above
if BPL harmonics don't wipe those bands out too.

73,
Caity
K7VO--
Caitlyn M. Martin -- K7VO
<http://www.mizuhoradio.com/personal/k7vo>

Unofficial Mizuho website:
<http://www.mizuhoradio.com>

Tokyo Hy-Power reflector website:
<http://www.mizuhoradio.com/personal/k7vo/thp>

Date: Fri, 22 Aug 2003 21:01:00 -0400
From: "Norman Schklar" <norman@schklar.com>
To: <qrp-1@lehigh.edu>, <WE7X@aol.com>
Subject: [156736] RE: RFI help needed
Message-ID: <~!
UENERkVCMdKAAQACAAAAAAAAAAAAAAAAABgAAAAAAAAAf0aS2LTNrEW6u0ehmwAhKcKEAAAQAAAA/
dhUsZ60iU6jrtDuA4RnfQEAAAAA@schklar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Check the chassis ground. =20
Be sure you are using a 3 wire cable into a grounded outlet. =20
Try it without the ground and or 3rd wire connected. =20
You could check the voltage between the case of the power supply and =
earth
ground. Of course extension cords without the third lead, or the third =
lead
removed don't help. =20
Remove any unused extension lines. If a jack is not being used, unplug =
it
from the cabinet. =20
I don't remember what the power supply looks like, but you might be able =
to
spray the cover with a conductive coating to improve the grounding.
Run an extension cord for the phone system to another outlet that is not =
on
the same breaker.
Tie a knot in the power cord of the phone system.
Try another power supply.
Change the length of the power supply cable.
Check the screws in the electrical service box to be sure they don't =

need
tightening.
Check the earth ground on the rig.

Good Luck!

Norm Schklar, WA4ZXV
Norcross, GA wa4zxv@arrl.net, 770-840-9664 --QRP-L member #2499
=20

-----Original Message-----

From: WE7X@aol.com [mailto:WE7X@aol.com]=20
Sent: Friday, August 22, 2003 5:03 PM
To: Low Power Amateur Radio Discussion
Subject: RFI help needed

Greetings,

I just came from the shack of AC7SB, who is running a K2 into a 540 =
foot=20
loop. His favorite band is 17 meters, and right around 18.129 MHz is a =
nasty

tone, which is coming from a ATT Merlin PBX type phone unit in his =
house.

He is=20

a retired ATT employee, and installed the phone system himself - but =
well=20

before becoming a ham - a bit ironic at best.=20

If all the internal boards are removed the tone remains, until the=20
switching power supply is disabled. The power supply provides +5, +12, =
and

+48 volts=20

to the unit.

At the rig, the tone disappears when the antenna is disconnected. I =
had=20

previously suggested to try a torrid on the power cord, but since the =
signal

appears to be coming from the antenna, I'm not sure this would be of any
benefit.

Tuning around the bands with the K2 (ham band only) seems to indicate
that=20

this frequency is the only one being radiated.

Any suggestions? =20

Rod Johnson

Issaquah, WA=20

Date: Fri, 22 Aug 2003 21:25:08 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: nkennedy@tcainternet.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156737] Re: What is it about hams?
Message-ID: <5.2.0.9.0.20030822212440.00a62e38@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

But the cable company will figure it out.

At 09:23 PM 8/22/2003, Nick Kennedy wrote:

>It seems to me that if radio transmissions interfere with BPL, the
>subscriber probably isn't going to know it. He will just think, "This #@!!&
>internet is sure slow today!". That happens to many of us right now, and we
>have no idea what the cause is. DNS attack? Bug or virus in my PC? Poor
>signal on the cable? Satan? The CIA? UFOs? Who knows?

>

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>where a certain sound or pattern of interference may make the user think
>it's the ham down the street (even if he's wrong). Also, with those
>devices, the user has an expectation of high quality service. With the
>internet, it'll just be another slow connection and who knows why.

>

>72--Nick, WA5BDU

Cecil
KD5NWA

Date: Fri, 22 Aug 2003 22:38:11 -0400
From: "Robert K. Henderson" <rk@sympatico.ca>
To: <qrp-l@lehigh.edu>
Subject: [156738] Right on, Caity -- plus interesting statistic
Message-ID: <BB6C4BD2.978%rk@sympatico.ca>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I've been harping incessantly on the necessity of our hobby exorcising anti-beginner attitudes, so it will come as no surprise that I heartily agree with Caity's comments about supporting newcomers, regardless of what kind of test they passed to get their ticket. I'd just like to add one possibly interesting note: I operate CW exclusively, and since I came into

the service 10 years ago, I've kept records of the age of the ops I work. Well, recently there has been a dramatic dip in the average age of brasspounders! Used to be that the 50s were "young," and anything below that rated comments and congrats. These days I'm working more and more 'pounders in their 30s and 40s, and even the occasional twentysomething. So the tired old saw about all fists being elderly types clinging to the past has gotten even older and tireder. (As for me, I'm 41, got licensed when I was 31, and have never owned a mic.)

Still to come: more kids, more YLs!

--

Rob Henderson
KB7PWJ

See my article "Low Power, Crummy Antenna," QST, December 1999. PDF file available from the ARRL website:

<http://www.arrl.org/tis/info/pdf/9812057.pdf>

Date: Fri, 22 Aug 2003 22:53:28 -0400
From: Peter Burbank <peterlee@qx.net>
To: qrp-l@lehigh.edu
Subject: [156739] Torrids
Message-ID: <5.2.0.9.0.20030822224827.00a08b60@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

What the heck is a torrid anyway? I keep seeing that word pop up on the list. The only torrid I ever met was the first name of a lap dancer. (Sorry could not resist) :-)
Pete NV4V

Date: Fri, 22 Aug 2003 20:23:57 PDT
From: Ken Brown <hfbeacons@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [156740] RFI help needed
Message-ID: <20030823.222113.2223.0.HFBEACONS@juno.com>

What exactly are "torrids"-- ???

--Not listed in any catalog, or QST or CQ Magazine.
ARRL Handbook is blank on "torrids"...
The dictionary says "giving off intense heat".... no
explanation why you should be putting torrids on a
power cord.....

Ken Brown N4SO
Mobile, AL EM50tk
HFBEACONS@juno.com

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Date: Thu, 21 Aug 2003 01:31:48 -0400
From: Alex <kr1st@amsat.org>
To: mooney@cytanet.com.cy
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [156741] Re: Another CEPT country to drop the code requirement
Message-ID: <3F445944.3551F587@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul wrote:

> I'm not 100% sure that's accurate.
>
> Isn't it you get the 'minimum' your/their license allows. e.g. UK (max
> output 400 watts (in dB)) licensee in US could only use 400 watts?

That's what I always thought, too. However, you are allowed to do
whatever the other country allows you to do in that country. Which makes
sense.

If the other country says that no one needs a license to operate on HF
from within their borders, then you can operate without any license. The
FCC has no jurisdiction there. The other country could say that you have
to operate within the privies of your home country, but that's not how
it's arranged between the US and CEPT countries. You have to operate
within the assigned CEPT class.

The FCC (and the ARRL, I asked them) also says that you have to be a US

Citizen to use your US license in CEPT countries. The Public Notice on CEPT says so, right? I asked the ARRL sister organization in the Netherlands if this was true, as it didn't make sense to me to require citizenship, instead of a residency requirement. They asked the Dutch FCC who said that everyone who is a _resident_ in the US and has a valid US license is more than welcome to operate there. US Citizenship was not required, they said. Of course I carry a copy of that statement with me when I'm there. :)

Bottom line seems to be, when in Rome, do as the Romans say. :) It makes perfect sense to always inquire with the authorities of the country you visit about operating an amateur station using your US license as they will be ultimately the ones who decide if your operation is legal.

Now there are some kooky laws on the books here in the US that could technically result in prosecution if you're doing something abroad that is considered illegal in the US but is perfectly legal in that country. But that's a totally different can of worms. :)

73,
--Alex KR1ST

Date: Sat, 23 Aug 2003 06:30:49 GMT
From: hamjoel@juno.com
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [156742] antenna
Message-ID: <20030822.233116.23740.28417@webmail12.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

I have a serious question concerning the Moxon antenna...
The model I have makes a moxon with a reflector
is there a model that will make a moxon with a director

Even a better way to put the question.... how would I figure out the dimensions for a three element moxon antenna.... ref, driven, dir...

The space saving of this antenna would allow a three element 40 or 30 meter moxon using wire rope construction a snap,,, is there a program that would figure in the third (dir) element for me?

KE1LA JOEL
IN MAINE
FREEZIN

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Date: Sat, 23 Aug 2003 07:45:29 EDT
From: Nm5m@aol.com
To: qrp-l@lehigh.edu
Subject: [156743] For Sale LDG Tuner
Message-ID: <7d.3cb09f16.2c78add9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have an LDG QRP Autotuner for sale, model number: LDG AT-QRP.

\$100.00 including shipping in the USA.

Please respond via email to nm5m@aol.com

Regards,

Eric NM5M

Date: Sat, 23 Aug 2003 08:01:36 -0400
From: "Tom Bowman" <wa3rey@comcast.net>
To: <qrp-l@lehigh.edu>
Subject: [156744] Re: OT: Amateurs we are...
Message-ID: <000301c3696e\$4dc82ff0\$08415344@TOMS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Don't get me wrong -- Ed Hare deserves a standing ovation and probably Ham
>of the Year for his efforts. But his employer, however, should be
>embarrassed they didn't provide him with a first class way to go about his
>work. Amateurs need not look like amateurs...

As I understand it, BPL is a campaign waged by lobbyists, so John_K7FD, has
the right idea.

To compete with the lobbyists, we hams - and our presentations - have to
look the part.

The least thing the ARRL could have done was hired a professional web video company to put together this important video.

Maybe show the neighborhood where Ed made these tests, identify the town on screen, then come in tight to the front of the TS-440, all the time with the sound of the BPL in the background.

There are volunteers who could have made a more professional, effective video than this..

Tom, WA3REY

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Sat, 23 Aug 2003 08:18:29 -0400
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [156745] Re: What is it about hams?
Message-ID: <3F475B95.4020200@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

>
>
>The FCC has imposed quite hours for interference to Part 15 devices
>before. Do not be surprised if the FCC shuts down hams who interfere
>with lots of their neighbors' internet connections.
>

Could you be more specific? It would seem quite(sic) hours for interfering with Part 15 devices would be against the FCC's own rules. Do you have an example?

Inquiring minds want to know.

John W2AGN

Date: Sat, 23 Aug 2003 08:49:49 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [156746] RE: OT: Amateurs we are...
Message-ID: <001e01c36975\$0a563da0\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

You guys are real nice. Ed busts his butt on a road trip and now you start with the Monday morning quarterback comments.

The ARRL has never said that the video is aimed at anyone other than the amateur community. Of course if more people would start putting their money where their mouth is and make a donation to the League they would have more resources.

About volunteers...it's real easy to say that people would volunteer. I have been involved in many differerent volunteer programs for more than 10 years. It's a hell of lot easier to get people to say they will do something than actually get them to do something.

How about everyone knocking Ed's work actually contribute something to the cause?

Paul K4FB

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU
Sent: Saturday, August 23, 2003 8:02 AM
To: Low Power Amateur Radio Discussion
Subject: Re: OT: Amateurs we are...

>Don't get me wrong -- Ed Hare deserves a standing ovation and probably
>Ham of the Year for his efforts. But his employer, however, should be
>embarrassed they didn't provide him with a first class way to go about
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There are volunteers who could have made a more professional, effective video than this..

Date: Sat, 23 Aug 2003 08:50:43 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: <k7vo@earthlink.net>,
 '"Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [156747] RE: What is it about hams?
Message-ID: <001f01c36975\$2b047b70\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

HUH?

Please explain the documentation for this?

Paul K4FB

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU
Sent: Friday, August 22, 2003 9:48 PM
To: Low Power Amateur Radio Discussion
Subject: Re: What is it about hams?

The FCC has imposed quite hours for interference to Part 15 devices before. Do not be surprised if the FCC shuts down hams who interfere with lots of their neighbors' internet connections.

Date: Sat, 23 Aug 2003 16:02:02 +0300
From: Paul <mooney@cytanet.com.cy>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156748] Re: Another CEPT country to drop the code requirement
Message-ID: <1061643722.4937.3.camel@localhost>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

On Thu, 2003-08-21 at 08:31, Alex wrote:

> Paul wrote:

>

> > I'm not 100% sure that's accurate.

> >

> > Isn't it you get the 'minimum' your/their license allows. e.g. UK (max
> > output 400 watts (in dB)) licensee in US could only use 400 watts?

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> Citizen to use your US license in CEPT countries. The Public Notice on
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> citizenship, instead of a residency requirement. They asked the Dutch
> FCC who said that everyone who is a _resident_ in the US and has a valid
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> required, they said. Of course I carry a copy of that statement with me
> when I'm there. :)

>

> Bottom line seems to be, when in Rome, do as the Romans say. :) It makes
> perfect sense to always inquire with the authorities of the country you
> visit about operating an amateur station using your US license as they
> will be ultimately the ones who decide if your operation is legal.

>

> Now there are some kooky laws on the books here in the US that could
> technically result in prosecution if you're doing something abroad that

> is considered illegal in the US but is perfectly legal in that country.
> But that's a totally different can of worms. :)
>
> 73,
> --Alex KR1ST

Can you match an English law that says it's OK to shoot a Welshman with
an arrow in the grounds of Hereford Cathedral on a Sunday?

Paul M.

Date: Sat, 23 Aug 2003 08:30:59 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156749] Re: RFI help needed
Message-ID: <200308230830.59730.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

You *obviously* have never lived with "chatty" women in your home. (I have
three lines here.)

72;

Bob
w8ya

On Friday 22 August 2003 04:48 pm, John Sielke wrote:
> > His favorite band is 17 meters, and right around 18.129 MHz is a nasty
> > tone, which is coming from a ATT Merlin PBX type phone unit in his house.
> > He is a retired ATT employee, and installed the phone system himself -
> > but well before becoming a ham - a bit ironic at best.
> >
> > Any suggestions?
>
> One comes to mind right away. What does a retired guy need a PBX phone in
> his home for? Just so the telemarketers can call on several different
> lines?
>
> Unless he is running a business, dump the PBX phone.
>
> John W2AGN

Date: Sat, 23 Aug 2003 07:33:40 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156750] Anyone else missing their Homebrewer mag?
Message-ID: <001601c3697b\$2a904e20\$6801a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Is anyone else still waiting for the first Homebrewer mag to arrive? I know others have been receiving them for a week now.

73 de Dave NK0E

Date: Sat, 23 Aug 2003 08:42:42 -0500
From: w9ya <w9ya@arrl.net>
To: k7vo@earthlink.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156751] Re: What is it about hams?
Message-ID: <200308230842.42401.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Friday 22 August 2003 08:47 pm, K7V0 wrote:

> On Fri, 22 Aug 2003 19:57:56 -0400

>

> Rick McKee <kc8aon@juno.com> wrote:

> > If BPL is going to cause interference to my radio, what do I care if

> > my radio causes interference back to BPL ? Turn about is fair play !

>

> The FCC has imposed quite hours for interference to Part 15 devices

> before. Do not be surprised if the FCC shuts down hams who interfere

> with lots of their neighbors' internet connections.

Huh ? Are you saying that correctly ? Am I reading that correctly ?

I have a license, and the BPL would not, except as provided by part 15. So I will not have primary (priori) rights ? I think that means the FCC would have to declare the BPL as primary user of the HF spectrum first. *THEN* , we hams could have quiet hours imposed upon us.

The more I think about this, the BPL would *require* other users to be come secondary rights holders to spectrum usage in order for it to service its' customers at all tolerably well. In fact this is sought in the APPA (American Power Providers Assoc.) comments to the BPL docket. Without this, I do not see how we primary users of the spectrum can have quiet hours imposed.

Is there an example of a primary user being imposed with "quiet hours" due to interference to a secondary user of the same spectrum ?

Bob
w9ya

>
> The only way to defeat BPL is to see that it never happens. If it is
> ever rolled out in any scale, well... I hope you enjoy 144MHz and above
> if BPL harmonics don't wipe those bands out too.
>
> 73,
> Caity
> K7VO--
> Caitlyn M. Martin -- K7VO
> <http://www.mizuhoradio.com/personal/k7vo>
>
> Unofficial Mizuho website:
> <http://www.mizuhoradio.com>
>
> Tokyo Hy-Power reflector website:
> <http://www.mizuhoradio.com/personal/k7vo/thp>

Date: Sat, 23 Aug 2003 09:19:21 -0500
From: Steve Yates <aa5tb@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [156752] Re: Big Momma Loops (BML-not BPL)
Message-ID: <200308230919.21851.aa5tb@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

A "Big Momma Loop" will work, however, you can only get gain in a given direction at the expense of gain in another direction. Bigger (in terms of wavelength) is not always better. The bigger the loop is the more lobes and nulls it will have so you don't really gain anything except more scintillation.

Imagine an antenna's radiation pattern as a giant water balloon. The only way you can make it bigger is by squeezing it somewhere else. No amount of antenna enlargement will change this fact. Making an antenna bigger doesn't make the "balloon" bigger, it just creates many more lobes and nulls. If done properly you can add all of the lobes up in a favored direction. (An exception to this would be if you were going from a very small HiQ antenna to a full size antenna which in this case you are simply reducing the losses.)

Now if the layout was designed as a rhombic and optimized properly it would be one heck of an any in two directions, or one direction if it was terminated.

AC7SB would probably have better all around performance with a smaller loop or even a more conventional dipole. A very large loop (acres) will be a bit easier to tune with an antenna tuner on all bands simply because the Q would be lower due to radiation and wire losses. ESD will be more of a problem however.

But then again there are the psychological considerations. If a big loop makes one think he will have a big signal then he will probably have much better success in making QSO's, irregardless. As they say, "anything works".

73,
Steve Yates - AA5TB
Fort Worth

<http://www.qsl.net/aa5tb/>

Date: Sat, 23 Aug 2003 10:19:53 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [156753] re:Fiberglass poles..try the rakes and shovels
Message-ID: <DCEE2684-D574-11D7-A4C4-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

>Earl VE3AB(note: i think fiberglass becomes brittle with UV
>radiation so i will protect with marine paint for my project. .

Does anyone have an idea of how long a fiberglass pole will last out exposed to UV and elements? I realize that this depends a lot on the pole but I'm looking for a guesstimate ... are we talking a year or 5 years?

I'm thinking of sacrificing either a 25ft telescopic fiberglass pole that I have or my DK9SQ mast to support a 44ft wire doublet as an inverted Vee in a semi-permanent installation and I'm just wondering what sort of life I can expect to get from the pole.

Michael VE3WMB

Date: Sat, 23 Aug 2003 14:19:05 +0100
From: Dan Harriman <kc5gxl@ih2000.net>
To: qrp-l@Lehigh.EDU
Subject: [156754] Re: Anyone else missing their Homebrewer mag?
Message-ID: <5.0.2.1.1.20030823141543.00a10670@mail.ih2000.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Dave;

I received mine about a week ago. Maybe you should write George Heron, editor and publisher.

George N2APB n2apb@amqrp.org
Editor & publisher of HOMEBREWER Magazine
<http://www.amqrp.org/homebrewer/homebrewer.html>

73 de KC5GXL
Dan Harriman
Orange, Texas

At 14:33 08/23/2003, you wrote:

>Gang,
>
>Is anyone else still waiting for the first Homebrewer mag to arrive? I know
>others have been receiving them for a week now.
>
>73 de Dave NK0E

.

If at first you don't succeed, maybe you shouldn't try sky diving!

dit dit

Date: Sat, 23 Aug 2003 10:32:25 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [156755] Re: Another CEPT country to drop the code requirement
Message-ID: <9D756A36-D576-11D7-A4C4-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

An observation as more administrations drop Morse code as a requirement for unrestricted HF access, it will make for some interesting problems for countries that choose not to do so.

For example if the US decided to drop the code requirement and Canada chooses not to, that blows the whole US-CAN reciprocal licensing agreement out the window. A no-code HF license in the US would then have no real equivalent in Canada and may not be allowed to operate there.

This could and probably is, already be creating quite a mess with respect to reciprocal licensing.

Michael VE3WMB

Date: Sat, 23 Aug 2003 08:58:43 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: Dave Ek <ekdave@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156756] Re: Anyone else missing their Homebrewer mag?
Message-ID: <Pine.LNX.4.33.0308230858260.6769-1000000@neale.gpfn.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I received mine 3 days ago Dave...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 23 Aug 2003 08:02:39 -0700
From: "Lyle Johnson" <wa7gxd@fidalgo.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156757] RE: Big Momma Loops (BML-not BPL)
Message-ID: <NEBBKGGNGLGOHDJKFAPHAIEIOENAA.wa7gxd@fidalgo.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Another way to think of it is to remember that antennas do not have (positive) gain. Never had, never will. They may have loss (negative gain). But they are passive devices.

Amplifiers have gain - usually :-) They also have power supplies, to provide energy to be added to the signal. No power supply, no amplification. Yes, you can get voltage gain or current gain (or impedance matching for more efficient power transfer) with a passive network, but you can't get power gain.

Antennas do have directivity, however. Even when you don't want them to, or can't accurately predict the pattern. It is this directivity that we often refer to as gain. And we express it in dB and use it with our calculations for expected signal strength over a given path, just like it was power gain.

But it isn't.

As Steve pointed out, antenna "gain" is really like squishing a water balloon. The only way to increase the volume of the balloon is to add more water (power). But you can make it reach further in certain directions, at the expense of other directions, by squishing it.

One last comparison that might help is to think of a simple magnifying glass. It also has "gain" in the sense that it has directivity, but there is always less total light energy after the light passes through the lens. You might get a really bright/hot spot, but you will also get large shadows...

72/73 Lyle KK7P

Date: Sat, 23 Aug 2003 09:18:44 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156758] Re: Anyone else missing their Homebrewer mag?
Message-ID: <002601c36989\$d7c9f9c0\$6801a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Looks like there's still a few of us. I guess I need to learn a little
patience...

73 de Dave NK0E

Date: Sat, 23 Aug 2003 16:59:38 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: Dave Ek <ekdave@earthlink.net>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [156759] Re: Anyone else missing their Homebrewer mag?
Message-ID: <20030823165938.A801@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sat, Aug 23, 2003 at 07:33:40AM -0600, Dave Ek wrote:

> Gang,

>

> Is anyone else still waiting for the first Homebrewer mag to arrive? I know
> others have been receiving them for a week now.

Mine arrived Friday, now that's to rural Nova Scotia, through Canadian
Customs, so expect all "lower 48" should see theirs soon.

Check <<http://www.amqrp.org/homebrewer/substatus.html>>, my address had
a minor mistake, so perhaps others may of had problems.[1]

-ve1mct

[1] I'll send a correction to Paul Marciel.

Date: Sat, 23 Aug 2003 10:09:09 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "M Taylor" <mctylr@privacy.nb.ca>
Cc: "QRP-L" <qrp-l@lehigh.edu>
Subject: [156760] Re: Anyone else missing their Homebrewer mag?
Message-ID: <000401c36990\$e37664a0\$6801a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the tip--I already checked my subscription info and it's okay. I think the mail is just slow sometimes...

73 de Dave NK0E

----- Original Message -----

From: "M Taylor" <mctylr@privacy.nb.ca>
To: "Dave Ek" <ekdave@earthlink.net>
Cc: "QRP-L" <qrp-l@lehigh.edu>
Sent: Saturday, August 23, 2003 9:59 AM
Subject: Re: Anyone else missing their Homebrewer mag?

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> Customs, so expect all "lower 48" should see theirs soon.
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> Check <<http://www.amqrp.org/homebrewer/substatus.html>>, my address had
> a minor mistake, so perhaps others may of had problems.[1]
>
> -ve1mct
>
> [1] I'll send a correction to Paul Marciel.
>
>

Date: Sat, 6 Oct 2001 23:10:29 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <ekdave@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156761] Re: Anyone else missing their Homebrewer mag?
Message-ID: <002b01c14edd\$9eb6bec0\$9e034918@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was one of the last to subscribe a few days ago and I got mine
thursday!!!! great mag. keep up the good work. I haven't been on the air
much but maybe soon, if I can get my fingers to work the key properly!!!!!!
carl / kz5ca

----- Original Message -----
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, August 23, 2003 12:09 PM
Subject: Re: Anyone else missing their Homebrewer mag?

> Thanks for the tip--I already checked my subscription info and it's okay.

I

> think the mail is just slow sometimes...

>

> 73 de Dave NK0E

>

> ----- Original Message -----

> From: "M Taylor" <mctylr@privacy.nb.ca>

> To: "Dave Ek" <ekdave@earthlink.net>

> Cc: "QRP-L" <qrp-l@lehigh.edu>

> Sent: Saturday, August 23, 2003 9:59 AM

> Subject: Re: Anyone else missing their Homebrewer mag?

>

>

> > On Sat, Aug 23, 2003 at 07:33:40AM -0600, Dave Ek wrote:

> > > Gang,

> > >

> > > Is anyone else still waiting for the first Homebrewer mag to arrive? I
> know

> > > others have been receiving them for a week now.

> >

> > Mine arrived Friday, now that's to rural Nova Scotia, through Canadian

> > Customs, so expect all "lower 48" should see theirs soon.

> >

> > Check <<http://www.amqrp.org/homebrewer/substatus.html>>, my address had
> > a minor mistake, so perhaps others may of had problems.[1]
> >
> > -ve1mct
> >
> > [1] I'll send a correction to Paul Marciel.
> >
> >
>

Date: Sat, 23 Aug 2003 12:48:04 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Cc: michael.babineau@sympatico.ca
Subject: [156762] UV protection for fiberglass poles/coatings
Message-ID: <200308231648.h7NGmFMC010413@webmail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I plan to use marine paint to protect my fiberglass from the elements..but if you wish to protect poles and items without paint..you might consider a marine varnish with uv inhibitors. The marine varnish is probably a more durable varnish..and the uv inhibitors may add years to the item (im no expert on this). If you dont care about the appearance of the item..you can use black foundation coating. I use this to preserve wood..ie on my dock. I use it over green preserved wood as a sealer and preservative. It seems to work quite well. Not sure if it protects directly againts uv. I read where one fellow building a quad using bamboo..used driveway sealer!..I think he said it was acrylic or snythetic..Im not sure.

73 Earl Ve3ab

Date: Sat, 23 Aug 2003 12:09:08 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-l@lehigh.edu>
Subject: [156763] RE: Big Momma Loops (BML-not BPL)
Message-ID: <000701c36999\$44e866e0\$e7476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi All,

There have been some very interesting comments on the Big Horizontal Loops. Great food for thought.

Couple of things that I watch for using the big horiz. loops are: Try to Not make any of the loops in the area of being a wavelength in the standard U.S. Broadcast Band (540-1750KHz). So whatever formula you are using i.e. the old $1005/f\text{MHz}$, or the newer one I have found to be closer for horizontal loops, $984/f\text{MHz}$. This means that the lengths that are Avoided at my antenna farm are from 562 feet to 1,822 feet. Reasoning is the dramatic increase of incoming signals from the Broadcast Band that your receiver has to reject plus all the other front end rejection you require to have a quality received signal. This does make a significant difference with our now high-tech receivers that actually don't need the bigger antennas to function properly and there is no sense in adding to the already too high noise floor from the digital hash in the receiver. However, on the transmitting end of our hobby, if your goal is running great DX with low power then the bigger loop is certainly going to be of value. The larger the horizontal loop, the lower the take-off angle (within reason!). Surprisingly a 10 foot elevation 500 foot loop will rival some big dollar beam setups.

Another item to avoid when using horizontal loops for multiband use, is Not to feed them at a corner. If you will just slide the feed point out from the corner maybe 15 to 20 feet, it will help avoid the rhombic effect on the upper bands and give you a more omni-directional coverage. This idea is a substitute to the idea of feeding it in the middle of a side, which is sometimes very difficult.

Steve, Lyle, and Seab have given some great advise and ideas!

One comment more, and that is, If you have the room to put up a large/big/huge horizontal loop, then also take the time to put up a smaller one inside the big loop. A handy size is one for 80 meters, $984/3.5 = 281$ feet. This will allow you some great stateside coverage that the big momma will skip over. Keep in mind to have the unused loop grounded. Also remember that with these big antennas, they are very quiet and a thunderstorm can sneak up on you.

72 / 73...Walter - AG5P

Tom

Tom Bowman, WA3REY, Mount Gretna, PA USA
(All mail scanned by Norton 2002)

Date: Sat, 23 Aug 2003 14:05:45 -0400
From: "John Sielke" <jsielke@pobox.com>
To: Bob Patten <n4bp@bellsouth.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
Subject: [156766] Re: [Elecraft] BUBBA
Message-ID: <3F4774B9.19800.14E9A0A@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 23 Aug 2003 at 13:10, Bob Patten wrote:

> Where is everybody?! A few strong signals, but very little activity.
> Temporarily shut down while thunderstorm blows over.
>
> --
> 73, Bob Patten, N4BP Plantation, FL

I'll second that. Bob has been solid in here, but other signals weak with lots of QSB. Still, not many BUBBA ops on.

John W2AGN

Date: Sat, 23 Aug 2003 13:07:56 -0500
From: "Bart" <blawson@classicnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [156767] DSP manual or schematic????
Message-ID: <000301c369a1\$7b160e40\$40fea8c0@xxxxxxxxxxxxxx>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Does anyone have the op manual or schematic for the RS DSP unit--model # 21-543.

RS sold these out years ago(duly noted on this list). By the time I got to the closest RS all they had was this unit that had been returned. Naturally it has problems. And, it came without manual etc.

Would be happy to pay for photocopying and mailing expenses!!!

tnx es 72, Bart N5WL

Date: Sat, 23 Aug 2003 13:52:34 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [156768] Re: Schematic Drawing Program
Message-ID: <001701c369a7\$fa83c360\$5b89cccf@bbbcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sometime during the last century I made a web page that does schematic capture. It's more of a toy than anything useful but you're free to use it. I haven't worked on it in a long time and don't plan to work on it again anytime soon, so if you find a bug you'll have to work around it. Follow this link for web page based schematic capture.
<http://lightning.qrp.com/~wd9eyb/klunky/home.html>

I've seen people use a free schematic capture and simulation program that's available from Linear Technology. Of course it's optimized for using their parts, but what I've seen of it is pretty neat and is probably useful for lots of ham applications. You can find it at the following link. You don't have to be designing a switching power supply to use it.
<http://www.linear.com/software/>

Hope this helps,

Jim, WD9EYB

Date: Sat, 23 Aug 2003 15:05:29 -0400
From: Alex <kr1st@amsat.org>
To: Paul <mooney@cytanet.com.cy>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [156769] Re: Another CEPT country to drop the code requirement
Message-ID: <3F47BAF9.8315F6F4@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul wrote:

> Can you match an English law that says it's OK to shoot a Welshman with
> an arrow in the grounds of Hereford Cathedral on a Sunday?

You got me there. I bet that one is from before this country was even
discovered (or stumbled upon, to be more accurate). :)

73,
--Alex KR1ST

Date: Sat, 23 Aug 2003 15:21:05 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156770] RE: Big Momma Loops (BML-not BPL)
Message-ID: <5.2.1.1.2.20030823114610.0223d8a0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

A further comment: "gain" is simply some amount of increase over some
reference amount. Regardless of what the 'gain' is regarding. The most
interesting thing about dBs, is that they refer to increase over a natural
reference: the human ear. That is to say, 1 dB was originally defined as
the least amount of change in sound detected by a presumably average human
ear. I suspect that the truth might be closer to Alex. G. Bell's
ear-perhaps averaged with those of his staff. I figure it's really: 1dB:
loud; 2dB: very loud; and 3dB: really, really loud. [grin]

As far as antennas go, the preceding descriptions are pretty good, and got
close with the "water balloon", but not there (as I read it). Think of a
perfect antenna as putting a complete, round, half globe around it.
Probably a vertical antenna, that. Now, you erect a dipole, same place,
same power, etc. You now have two half-spheres, but they are on either side
of the dipole. Thing is, they still contain the same amount of water, split

in two.

By lowering your angle of radiation, you reduce the number of hops a signal must make to reach a distant station. You accomplish this by raising this dipole higher above ground (up to a point anyway.) Since there are losses for every hop, the fewer the hops, the less the losses, and hence the stronger the signal at a given destination.

If you place a reflector at the proper distance from the dipole (at the same height, and parallel to it) you send most of the water in the reflector side half-sphere into the other side. So now one side has MOST of the water-but it's STILL the same amount of water you started with, it has just been pushed out along an axis perpendicular to the two antenna elements.

Bottom line: "gain antennas" take what's there and massage it into a different 3-dimensional footprint. The nicest thing about them is that they work in both directions. In addition to focusing the signal, on receive they also reduce the RF coming from 'unwanted' directions, further improving the signal-to-QRM ratio. Higher antennas-again up to a point-accomplish something similar by reducing the number of hops a signal must make to arrive at a given destination. While 'height above ground' affects perceived gain at 'the far (e.g. receiving) end' of a signal's travel (as long as it's far enough!) it is not that important with reference to "gain" per se. A yagi 5 feet off the peak of your roof is going to usually beat a dipole that is a good deal higher. Been there, done that. Things might get interesting is one were to put a dipole up to, say, 70 ft; and compare it to a yagi at, say, 30 feet INTO SE ASIA (from here, in GA, both longpath, both 'properly' oriented) on 20M. Those extra hops the yagi signal would have to take might just be enough to level the playing field. I don't THINK it would that would be the case, but you never know. Some of the propagation programs could probably calculate this.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Sat, 23 Aug 2003 15:27:10 -0400

From: ik7565@erols.com

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [156771] Re: Anyone else missing their Homebrewer mag?

Message-ID: <3F47C00E.5DA4ED4A@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Already have mine in Virginia - very fb start! Great articles.

73 de Ian

N8IK

Dave Ek wrote:

>

> Thanks for the tip--I already checked my subscription info and it's okay. I

> think the mail is just slow sometimes...

>

> 73 de Dave NK0E

>

> ----- Original Message -----

> From: "M Taylor" <mctylr@privacy.nb.ca>

> To: "Dave Ek" <ekdave@earthlink.net>

> Cc: "QRP-L" <qrp-l@lehigh.edu>

> Sent: Saturday, August 23, 2003 9:59 AM

> Subject: Re: Anyone else missing their Homebrewer mag?

>

> > On Sat, Aug 23, 2003 at 07:33:40AM -0600, Dave Ek wrote:

> > > Gang,

> > >

> > > Is anyone else still waiting for the first Homebrewer mag to arrive? I
> know
> > > others have been receiving them for a week now.
> >
> > Mine arrived Friday, now that's to rural Nova Scotia, through Canadian
> > Customs, so expect all "lower 48" should see theirs soon.
> >
> > Check <<http://www.amqrp.org/homebrewer/substatus.html>>, my address had
> > a minor mistake, so perhaps others may of had problems.[1]
> >
> > -ve1mct
> >
> > [1] I'll send a correction to Paul Marciel.
> >
> >

Date: Sat, 23 Aug 2003 21:57:41 +0200
From: Ingo Meyer DK3RED <dk3red@t-online.de>
To: qrp-1@lehigh.edu
Subject: [156772] re:Fiberglass poles..try the rakes and shovels
Message-ID: <5.2.1.1.1.20030823214851.009eac10@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Hello Michaeal,

>I'm thinking of sacrificing either a 25ft telescopic fiberglass pole
>that I have or my DK9SQ mast to support a 44ft wire doublet as
>an in inverted Vee in a semi-permanent installation and I'm just
>wondering what sort of life I can expect to get from the pole.

My DK9SQ is the basic for my permanent vertical antenna on the balcony.

<http://www.t-online.de/~dk3red/en/s6.htm#ant1>

Since April 1998 the mast is outside without any problems (summer=20
+20...30=B0C and winter -10...20=B0C).

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de	http://www.t-online.de/~dk3red
DL-QRP-AG #824	http://www.dl-qrp-ag.de
QRP ARCI #11295	http://www.qrparci.org

Date: Sat, 23 Aug 2003 16:11:07 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-1@Lehigh.EDU
Subject: [156773] RE: What is it about hams
Message-ID: <3F47921B.7609.1C166ED@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> HUH?
> Please explain the documentation for this?
> Paul K4FB
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> Sent: Friday, August 22, 2003 9:48 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: What is it about hams?
> The FCC has imposed quite hours for interference to Part 15 devices
> before. Do not be surprised if the FCC shuts down hams who interfere
> with lots of their neighbors' internet connections.

Hmmm! Seems to be taking awhile to confirm this. Could it be another case of misinformation? Naaah! I sure the FCC will shut me down if I crash my neighbors Radio Shack R/C car too many times.

John W2AGN

Date: Sat, 23 Aug 2003 16:16:55 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-1@lehigh.edu
Cc: w1pa@hotmail.com
Subject: [156774] Re: Pittsburg style with a dremel router
Message-ID: <5.0.2.1.2.20030823160419.028e2928@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill,

Well, I don't have a clue what "Pittsburg" style construction is, but I've been making my own PC boards for years using a Dremel tool. One thing that

I have found is that unless you have 1oz (most bone yard PCB is 2oz) material, it's very, very difficult to make precise cuts. And it takes lots of patience.

What I will frequently do is print out a PC board layout, but NOT REVERSED. That is, if the PCB is already reversed for etching the board, I "unreverse" it, otherwise, I just print the layout on paper. Then I take the paper, and use paste glue to glue it to the PC board material. Once the glue is dry, I use the Dremel to remove the "white" areas--that is, the areas that would ordinarily be removed in the etching process. First thing to do for this is to lightly go over the entire white space with the Dremel, just making a scratch or etch cut. This is because inevitably some of the paper will come up when I'm trying to remove a large area (or sometimes it just comes up for the heck of it). By making the scratch cut, I see where it is that I need to remove the copper, because now I've got it sort of etched or traced onto the board. Then removing the copper is really easy.

I usually use a small cutting bit or a small grinding bit. I've found that these give me the most precise cuts.

Once I've got everything cut out like I want it, the remaining paper and glue can easily be removed with some warm soapy water and a bit of steel wool.

Now if this is "Pittsburg" style construction, well that's news to me. I've never been to Pittsburg, but I am sold on this form of quick board fabrication. I wouldn't use it to make a large run, or anything that has to be exact and precise, but then, I don't etch boards like that either.

I have also used this technique to etch boards for SMT construction. It's a little trickier, because it is easy when you are ripping up copper off the board to get a small lip right on the edge (i.e. a small ridge of copper that instead of a smooth transition from copper to cut). Sharp bits and slow drill tend to help keep this from happening.

There is also a discussion of this technique in this Summer QRP Quarterly QRV? column.

72 de Mike, K04WX
Michael C. Boatright

Date: Sat, 23 Aug 2003 16:28:40 -0400 (EDT)
From: <n2go@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [156775] Missing magazines, subscriptions, orders

Message-ID: <Pine.LNX.4.33.0308231618480.7015-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since the ham magazines and projects are usually run by volunteers, they often will come after projected dates. Maybe updates and shipping dates and progress could be posted on their respective websites. Dave's SWL website does a great job. You can check the website and see where your order stands.

>From personal experience, I get aggravated when I have to hunt down people to find out "how it's coming along". I have cancelled kit orders after getting no good answers after two months.
It would lessen the bandwidth here.

73,

Jim n2go

Date: Sat, 23 Aug 2003 16:31:05 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jsielke@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156776] Re: What is it about hams
Message-ID: <007a01c369b5\$bd4ad160\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> > HUH?
> > Please explain the documentation for this?
> > Paul K4FB
> > -----Original Message-----
> > From: owner-qrp-l@Lehigh.EDU
> > Sent: Friday, August 22, 2003 9:48 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: What is it about hams?
> > The FCC has imposed quite hours for interference to Part 15 devices
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> > with lots of their neighbors' internet connections.
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>
> Hmmm! Seems to be taking awhile to confirm this. Could it be another
case of
> misinformation? Naaah! I sure the FCC will shut me down if I crash my
> neighbors Radio Shack R/C car too many times.

>
> John W2AGN
>

Actually, I've heard about this more than once. I think one was discussed here a few years ago, it being the reason the guy got into QRP.

The other one I seem to recall was written up in QST, something to do with a church organ and/or PA system? But that may be a poor example.

Mike

Date: Sat, 23 Aug 2003 16:32:27 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ko4wx@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156777] Re: Pittsburg style with a dremel router
Message-ID: <007f01c369b5\$c1d71040\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Bill,
>
> Well, I don't have a clue what "Pittsburg" style construction is, but
I've
> been making my own PC boards for years using a Dremel tool. One thing
that
> I have found is that unless you have 1oz (most bone yard PCB is 2oz)
> material, it's very, very difficult to make precise cuts. And it takes
> lots of patience.

Maybe it needs to be renamed 'Venice' construction, since you're cutting
canals...

Mike

Date: Sat, 23 Aug 2003 17:06:27 -0400
From: "sslyon" <sslyon@megalink.net>
To: "Walter AG5P" <walter@accessus.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [156778] BML (Big Momma Loops) an objective evaluation...

Message-ID: <000501c369ba\$6c205e40\$53c6e742@megalink.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

-will not be found here.

Wow! really stirred up some interest here. Walter hit the nail on the head. Here are some personal (biased) observations based on six years operating on a 20 acre plot on a hillside in CT. My 1600' loop (at 55'-75') performed better than any smaller ones I tried due, as Walter mentioned, to the many lobes per side (seven sides) with low take-off angles. No black magic at all. The whole thing floated in nylon clothes line pulleys so I could feed it from a corner or side by simply pulling it around accordingly. It cost me less than \$200 bux including beefy support line. (see article, NJQRP Homebrewer)

It performed consistently better than my neighbor's tribander (20-15-10) at 70' and laid down stronger signals on 160 and 80m than the two 160m inverted-L's in the community. An all-band antenna in a big way. I've always used a tuner, thus preselection was a given and I suffered no BC hassles. Further, at home and Field Days, every closed loop I've experienced has been quieter than every open-ended wire I've experienced, (at same location) esp. on low bands. (choke-sniff-sniff...)

Along with a loooong list of tasks, I've been pecking at clearing trees for a 600'-800' loop here at my new QTH deep in the Maine woods. If my chain saw and ticker hold out, I'll be on the air with it before FYBO -which comes pretty soon around here :)

73/72

aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Walter AG5P" <walter@accessus.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, August 23, 2003 1:09 PM

Subject: RE: Big Momma Loops (BML-not BPL)

> Hi All,

> There have been some very interesting comments on the Big Horizontal Loops.

> Great food for thought.

>

> Couple of things that I watch for using the big horiz. loops are:

> Try to Not make any of the loops in the area of being a wavelength

> in the standard U.S. Broadcast Band (540-1750KHz). So whatever

> formula you are using i.e. the old 1005/fMHz, or the newer one I

> have found to be closer for horizontal loops, 984/fMHz. This

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> from 562 feet to 1,822 feet. Reasoning is the dramatic increase of

> incoming signals from the Broadcast Band that your receiver has

> to reject plus all the other front end rejection you require to have

> a quality received signal. This does make a significant difference

> with our now high-tech receivers that actually don't need the bigger

> antennas to function properly and there is no sense in adding to the

> already too high noise floor from the digital hash in the receiver.

> However, on the transmitting end of our hobby, if your goal is

> running great DX with low power then the bigger loop is certainly

> going to be of value. The larger the horizontal loop, the lower the

> take-off angle (within reason!). Surprisingly a 10 foot elevation

> 500 foot loop will rival some big dollar beam setups.

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> Another item to avoid when using horizontal loops for multiband

> use, is Not to feed them at a corner. If you will just slide the feed

> point out from the corner maybe 15 to 20 feet, it will help avoid

> the rhombic effect on the upper bands and give you a more omni-

> directional coverage. This idea is a substitute to the idea of feeding

> it in the middle of a side, which is sometimes very difficult.

>

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>

> One comment more, and that is, If you have the room to put up

> a large/big/huge horizontal loop, then also take the time to put

> up a smaller one inside the big loop. A handy size is one for 80

> meters, $984/3.5 = 281$ feet. This will allow you some great

> stateside coverage that the big momma will skip over. Keep in

> mind to have the unused loop grounded. Also remember that

> with these big antennas, they are very quiet and a thunderstorm

> can sneak up on you.

>

> 72 / 73...Walter - AG5P

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>

Date: Sat, 23 Aug 2003 17:09:52 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-1@Lehigh.EDU
Subject: [156779] Bubba Bust
Message-ID: <3F479FE0.28563.1F736B7@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

5 hours....10 QSOs. All but 1 on 20M. Ohio QSO Party pretty well wiped out
40M, but had one curious VE3 answer my "CQ BUBBA."

Lots of QSB on 20. I had to ask for fills almost every QSO. Very embarrassing.

What did other BUBBAers think?

John W2AGN...still looking forward to QRP Afield.

Date: Sat, 23 Aug 2003 16:11:14 -0500
From: "Conard Murray" <ws4s@charter.net>
To: <n4bp@bellsouth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156780] Re: BUBBA
Message-ID: <02dc01c369bb\$169c03b0\$7d01a8c0@radio1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob,
You were the only BUBBA I could find on 20M. 15 is dead and 40 is covered up
with Ohio QSO party guys.
Sorry for the messed up exchange. I was operating from a picnic our radio
club put on. I was hoping for more of a QRP demo, but the OQP contest
provided for lots of contacts so all wasn't lost.
Conard, WS4S

Date: Sat, 23 Aug 2003 17:11:52 EDT

From: Fghester@aol.com
To: n4bp@bellsouth.net, qrp-l@lehigh.edu
Subject: [156781] Re: BUBBA
Message-ID: <190.1ed2064b.2c793298@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bands all but dead here in Central Illinois. Did we have a flare or sumthin?
I worked you Bob. / Woody / WD9F

Date: Sat, 23 Aug 2003 15:22:20 -0600 (MDT)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [156782] New MFJ Tuner
Message-ID: <Pine.LNX.4.44.0308231516200.3105-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Today I saw the new "Portable" antenna Tuner MFJ is selling for \$69. It's really small! It's rated at 150 watts max which has to do with the 2 variable capacitor spacing. The coil has to be a toroid and my friend wf5a says it works great and was a perfect fix for his problem. He can't get his Outbacker mobile antenna to load up on 40 meters. But with this tuner he gets about 50 KHz bandwidth perfect swr.

This is a good tuner for a qrp user. And you can go QRO with it too.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

End of QRP-L Digest 3021

